

**REMARKS**

Claims 1, 2, 4, 6-9, 21, 23-25, 27, 28 and 30-32 are pending. Claims 2, 4, 6-9, 23-24, and 27-28 are currently amended to clarify the claimed invention as embodied in these claims, without acquiescence in the cited basis for rejection or prejudice to pursue the original claims in a related application. No new matter has been added.

**I. Claim Objections**

Claims 2, 4, 6-9, 23-24, and 27-28 stand objected as allegedly containing informalities.

In response, Applicants respectfully submit that claims 2, 4, 6-9, 23-24, and 27-28 are currently amended and that the current amendment to the claims is believed to have rendered the objections moot. Applicants thus respectfully request withdrawal of the objections.

**II. Rejections of claims under 35 U.S.C. § 103(a)**

Claims 1-2, 4, 6-9, 27-28, and 30 stand rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable under 35 U.S.C. § 103(a) over Wong (Pub. No: 2004/0264464 using Provisional application No.: 60/482,759) in view of Tang et al. (Patent No.: US 6,553,028), Fig. 1 of the Admitted Prior Art (hereinafter APA) in the Background of the application (Pub No.: US 2005/0083839) and Herriot (Patent No.: US 5,929,792). Applicants respectfully traverse.

Claim 1 recites at least the following limitations

a pointer table having a width comprising a plurality of entries coupled to  
a linked-list table;

(Emphasis added.)

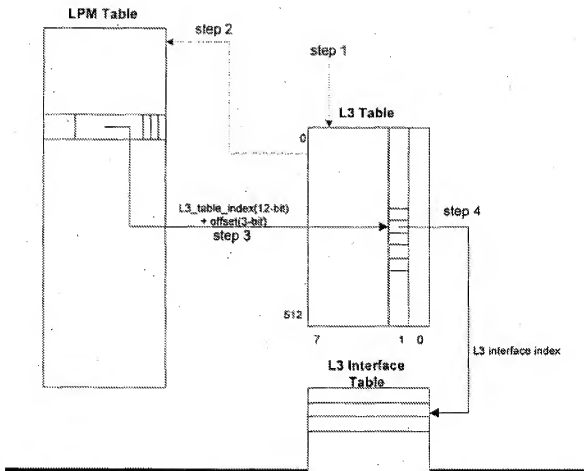
A. Applicants submit that Wong fails to disclose “a pointer table having a width comprising a plurality of entries coupled to a linked-list table”. Wong discloses a pointer table comprising a plurality of entries coupled to a table, but fails to disclose the table being a linked-list table.

The Examiner has asserted that the “linked-list table” in the claimed invention is taught in Wong by the “Replicate Count Table” (*see page 5, lines 21-22*). *See also, Final Office Action of 5/11/2011*. The Applicant will point out that the “Replicate Count Table” in Wong fails to disclose a linked-list table.

The “Replicate Count Table” (*see page 5, lines 21-22*) in Wong is used to “lookup the replicate count” (*see page 5, line 1*) for replicating each multicast packet, but Wong fails to specify a particular structure for the “Replicate Count Table” (*see page 5, lines 21-22*). *See pg. 3; See also pg. 5*. Because the “Replicate Count Table” in Wong fails to disclose a linked-list structure, it does not disclose a linked-list table.

The Examiner has also asserted that the “linked-list table” in the claimed invention is taught in Wong by the “L3 table” (*see page STN-7; and steps 6 and 7 of page STN-8*). *See also, Final Office Action of 5/11/2011*. The Applicant will point out that the “L3 table” in Wong also fails to disclose a linked-list table.

For the convenience of the Examiner, the figure in pg. STN-7 of Wong is reproduced below:



The “L3 table” in Wong fails to specify a linked-list structure. *See figure on pg. STN-7.* In fact, the “L3 table” in Wong discloses a table that is accessed using a “12 bit L3\_table\_index with 3-bit count field” (*see pg. STN-8, step 6*), wherein “the index points to the first entry of column of 8 entries in the L3 table...and the offset which is 3-bit field is used to point into one of the 8 entries” (*see pg. STN-8, step 7*). *See page STN-8.* Thus, each entry in the L3 table uses a specific pointer for access. Because the “L3 table” in

Wong illustrates a table with entries that use specific pointers for access and does not disclose the table having a linked-list structure, the “L3 table” in Wong likewise does not disclose a linked-list table.

Thus, Wong fails to disclose “a pointer table having a width comprising a plurality of entries coupled to a linked-list table”.

The teachings of Tang, Fig. 1 of the Admitted Prior Art, and Herriot do not make up for the deficiency of Wong, since Tang, Fig. 1 of the Admitted Prior Art, and Herriot also do not disclose “a pointer table having a width comprising a plurality of entries coupled to a linked-list table”. Therefore, the combination of Wong, Tang, Fig. 1 of the Admitted Prior Art, and Herriot” do not teach or suggest “a pointer table having a width comprising a plurality of entries coupled to a linked-list table”.

Consequently, for at least these reasons, it is respectfully submitted that claim 1 is allowable over the cited references. For at least this same reason, the dependent claims from claim 1 are likewise allowable over the cited references.

### **III. Claims Allowed**

Applicants’ gratefully acknowledge the indication that claims 21, 23-25, and 31-32 are allowed.

**CONCLUSION**

Based on the foregoing, all claims are believed allowable, and an allowance of the claims is respectfully requested. If the Examiner has any questions or comments, the Examiner is respectfully requested to contact the undersigned at the number listed below.

Applicant(s) hereby explicitly retracts and rescinds any and all of the arguments and disclaimers presented to distinguish the prior art of record during the prosecution of all parent and related application(s)/patent(s), and respectfully requests that the Examiner re-visit the prior art that such arguments and disclaimers were made to avoid.

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Respectfully submitted,

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